



FEMA



Prepared by
Rob Megnia

FEMA Region 6 Weather Threat Briefing

Thursday, May 9, 2019

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Today

- Severe thunderstorms across E TX into AR/LA.
- **Hail and damaging winds with heavy rain/flash flooding.**

Friday

- Main threat becomes heavy rainfall/flash flooding over E TX/LA/AR.

Saturday – Monday

- Heavy rain/flooding and flash flooding likely across SE TX into LA.

Major River Flooding or Known Evacuations

- Major flooding continues on the MS River at Baton Rouge, LA, and Osceola (AR) is forecast to approach major flood stage by Saturday.
- The Trinity River at Liberty is forecast to approach major flood stage by Saturday.

FEMA Region 6 Threat Matrix

May 9, 2019 – May 13, 2019



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| DAY / THREAT | THU | FRI | SAT | SUN | MON |
|-----------------------------|----------|-------|-------|-------|-----|
| Severe Storms | TX/AR/LA | TX/LA | TX/LA | | |
| | OK | | | | |
| Heavy Rain / Flash Flooding | TX/LA | TX/LA | TX/LA | TX/LA | |
| | AR | AR | | | |
| Winter Weather | | | | | |
| Fire Weather | | | | | |
| River Flooding | LA/AR | LA/AR | LA/AR | LA/AR | |
| | TX/OK | TX/OK | TX/OK | TX/OK | |

| | |
|--|-----------------------------------|
| | No Weather Threats Expected |
| | Very Common – Happens Often |
| | Common – Happens Frequently |
| | Uncommon – A Few Times a Year |
| | Rare – Once Every 1-5 Years |
| | Very Rare – Once Every 5-10 Years |

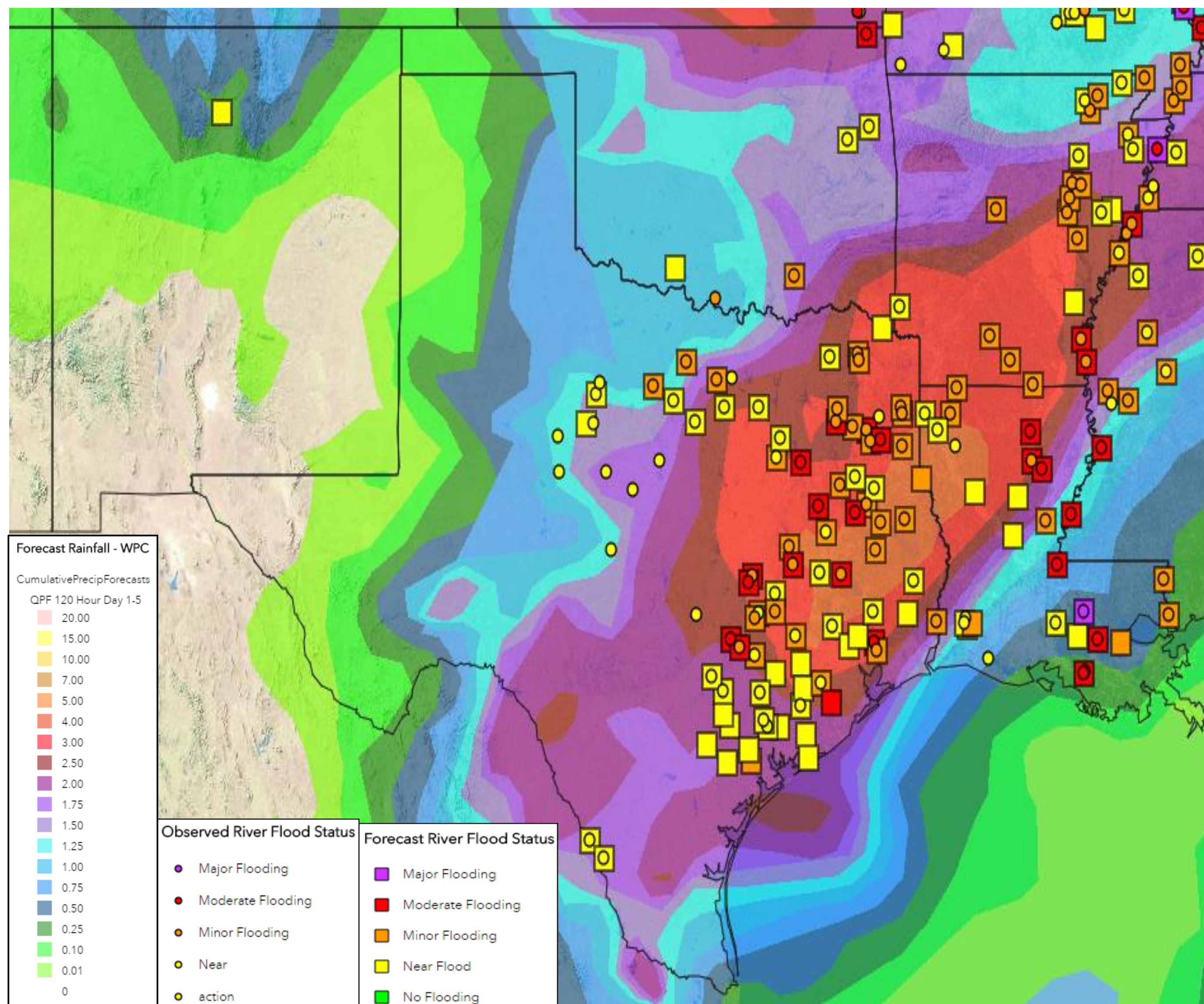
**Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.*
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



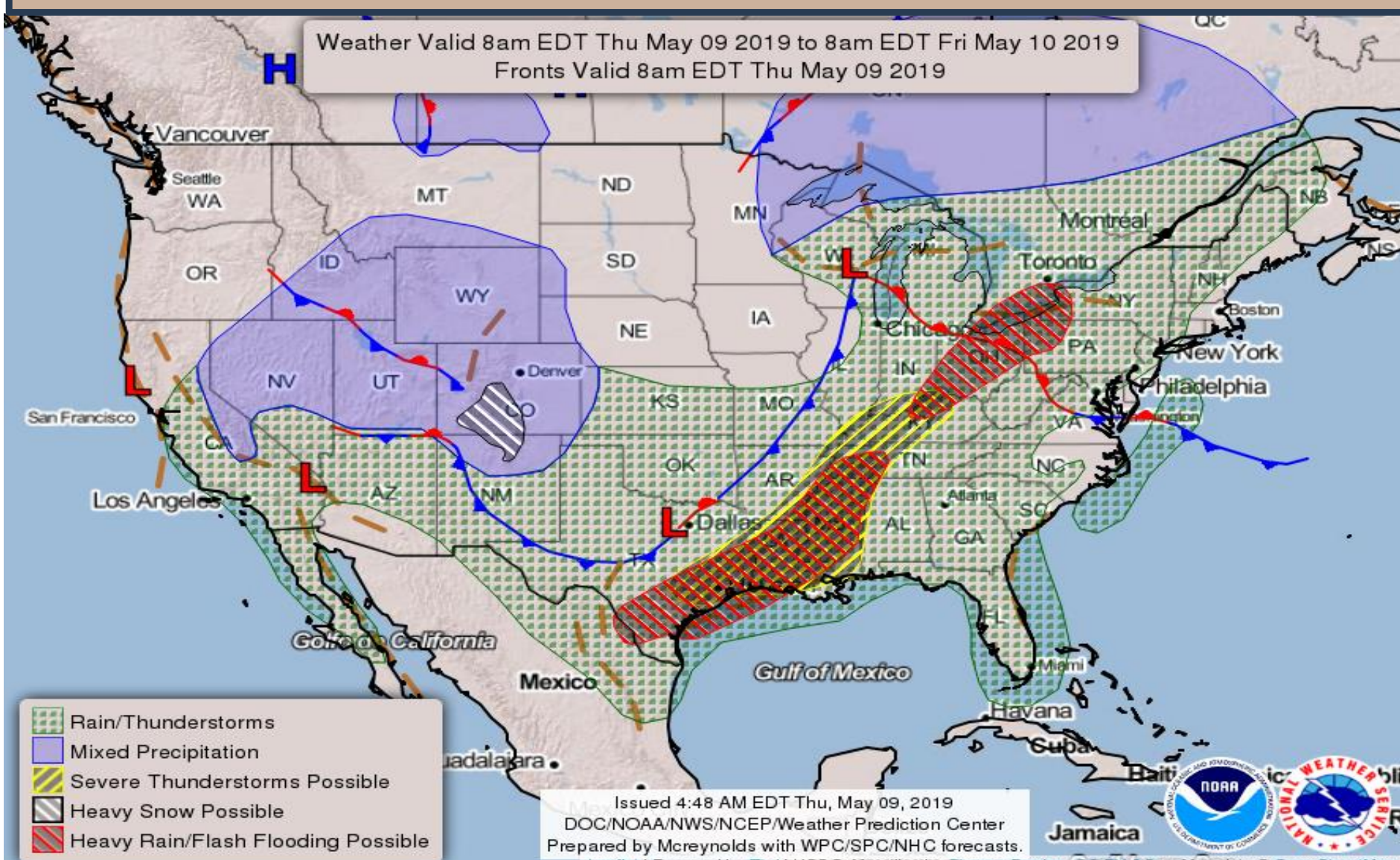
- Points along the MS River in AR and LA remain at moderate flood stage, with the point near Baton Rouge, LA remaining in major flood stage. Osceola (AR) is forecast to approach major flood stage by Saturday.
- Impacts are primarily to secondary roads, agriculture, and navigation. The city of Baton Rouge is protected by levees. A few homesteads may be impacted later this week near Osceola.
- Rainfall over the next five days will prolong ongoing flooding and lead to additional moderate flooding across ETX, LA, OK and AR.
- Minor to moderate river flooding is occurring across ETX, AR, OK, and LA. Impacts remain limited to agricultural interests and lowlands.
- Trinity River at Liberty is forecast to approach major flood stage by Saturday. Impacts to residences are possible.

Today's Weather

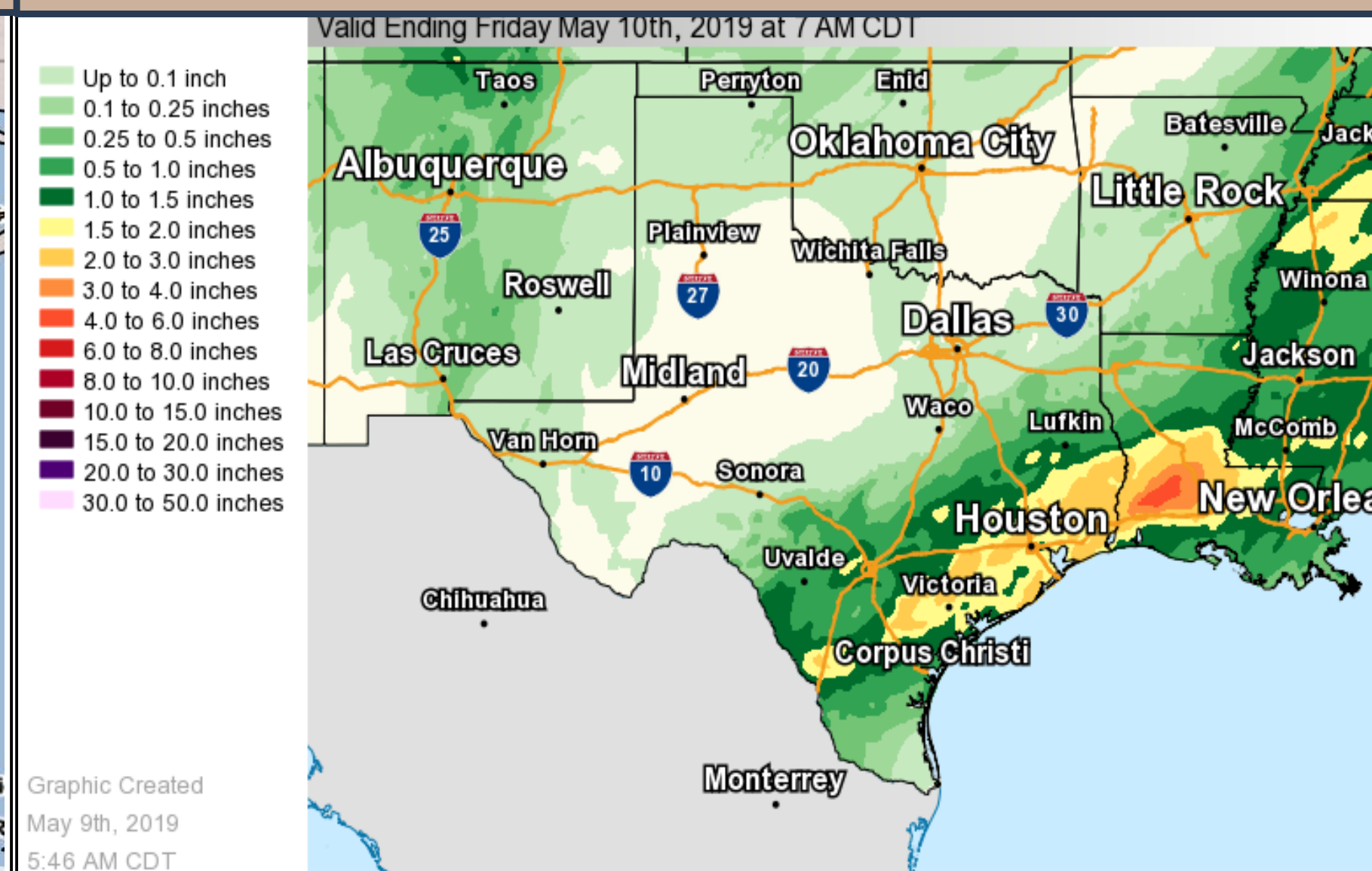


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Forecast Chart



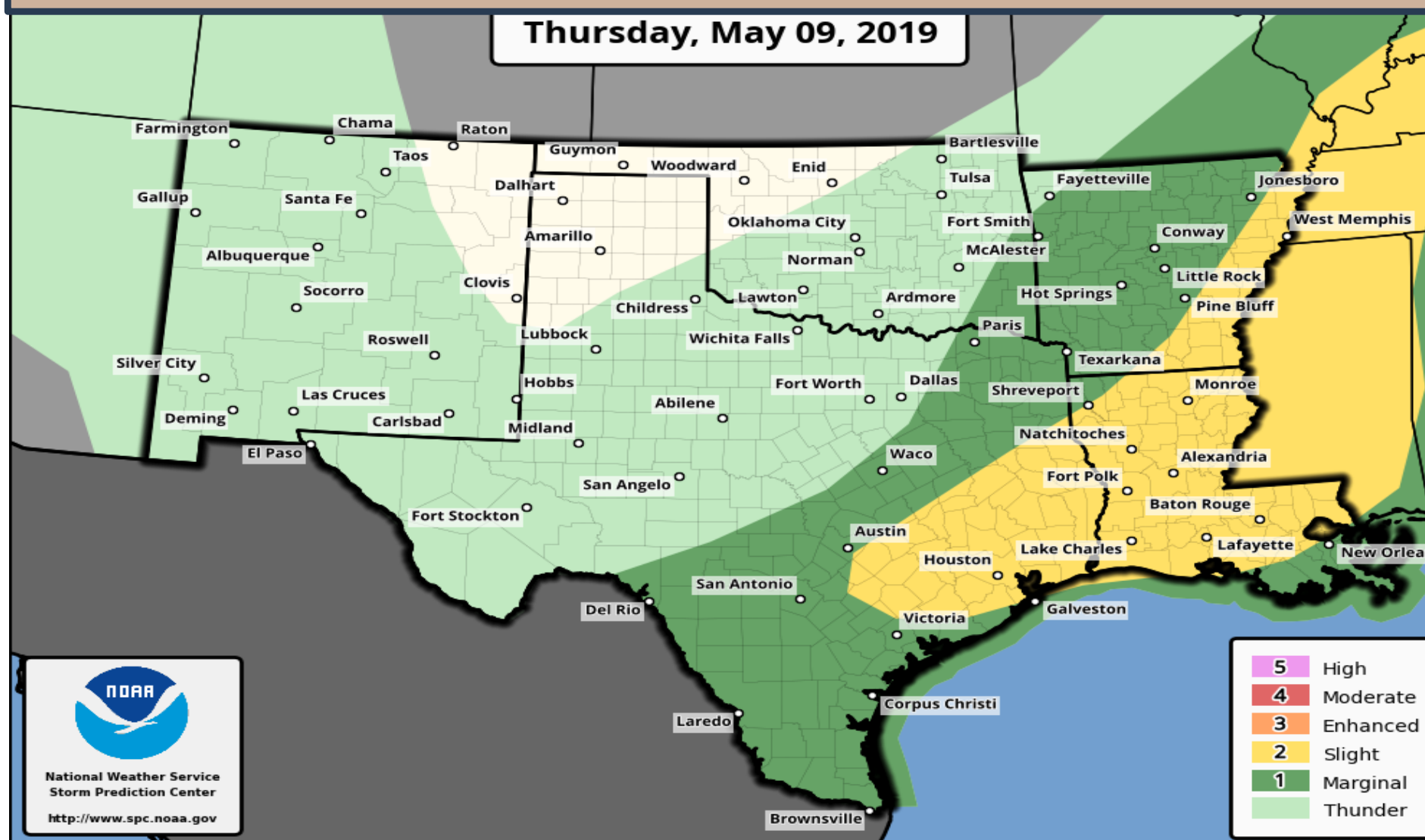
Forecast Rainfall



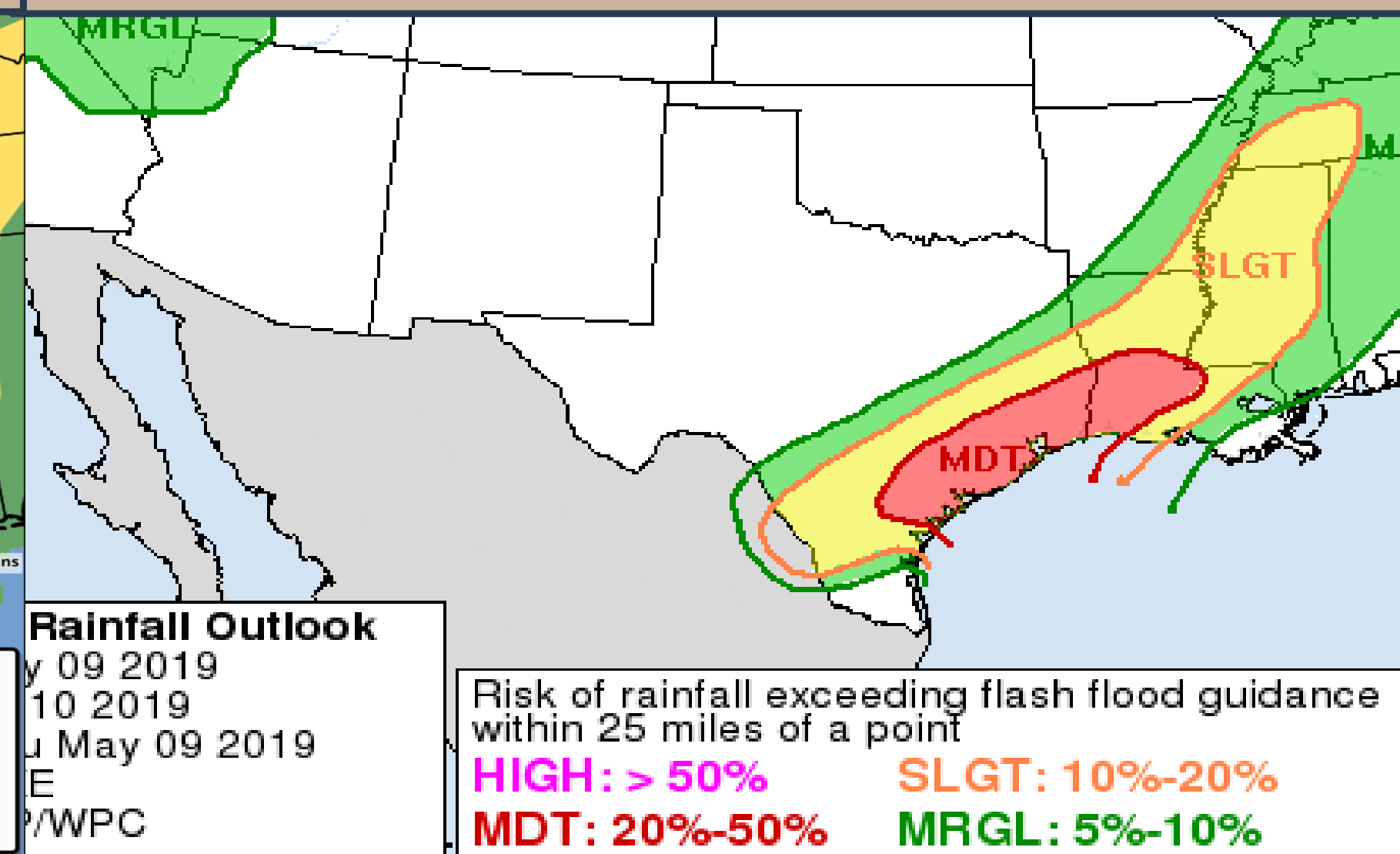
Severe thunderstorms (large hail/damaging winds) across E TX into LA/AR.

Heavy rainfall/flash flooding possible across AR, LA, SE TX.

Severe Weather Outlook



Excessive Rainfall Outlook



Watches, Warnings, and Advisories



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Fire Weather



Graphic Created

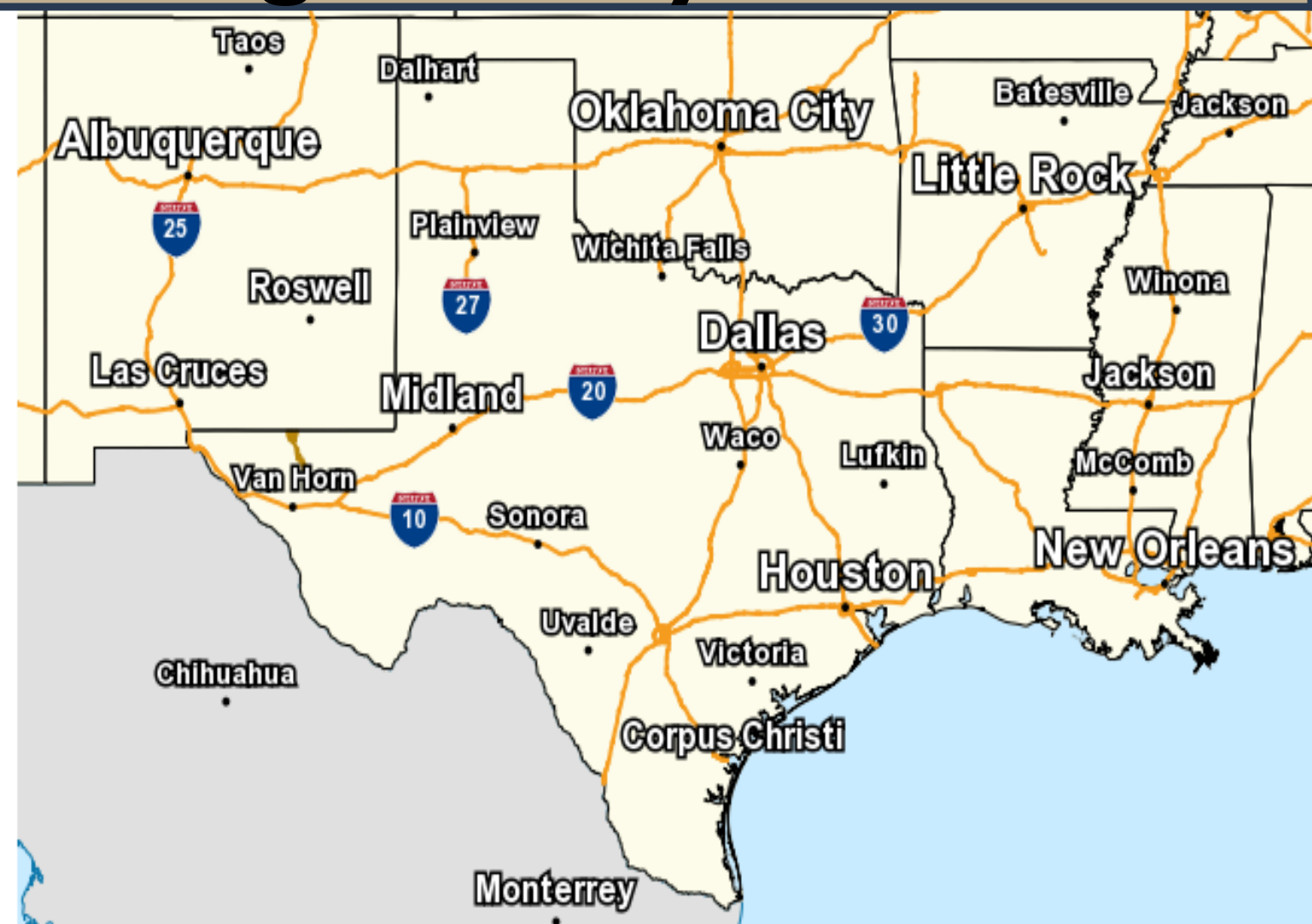
Severe Weather & Flooding



Graphic Created

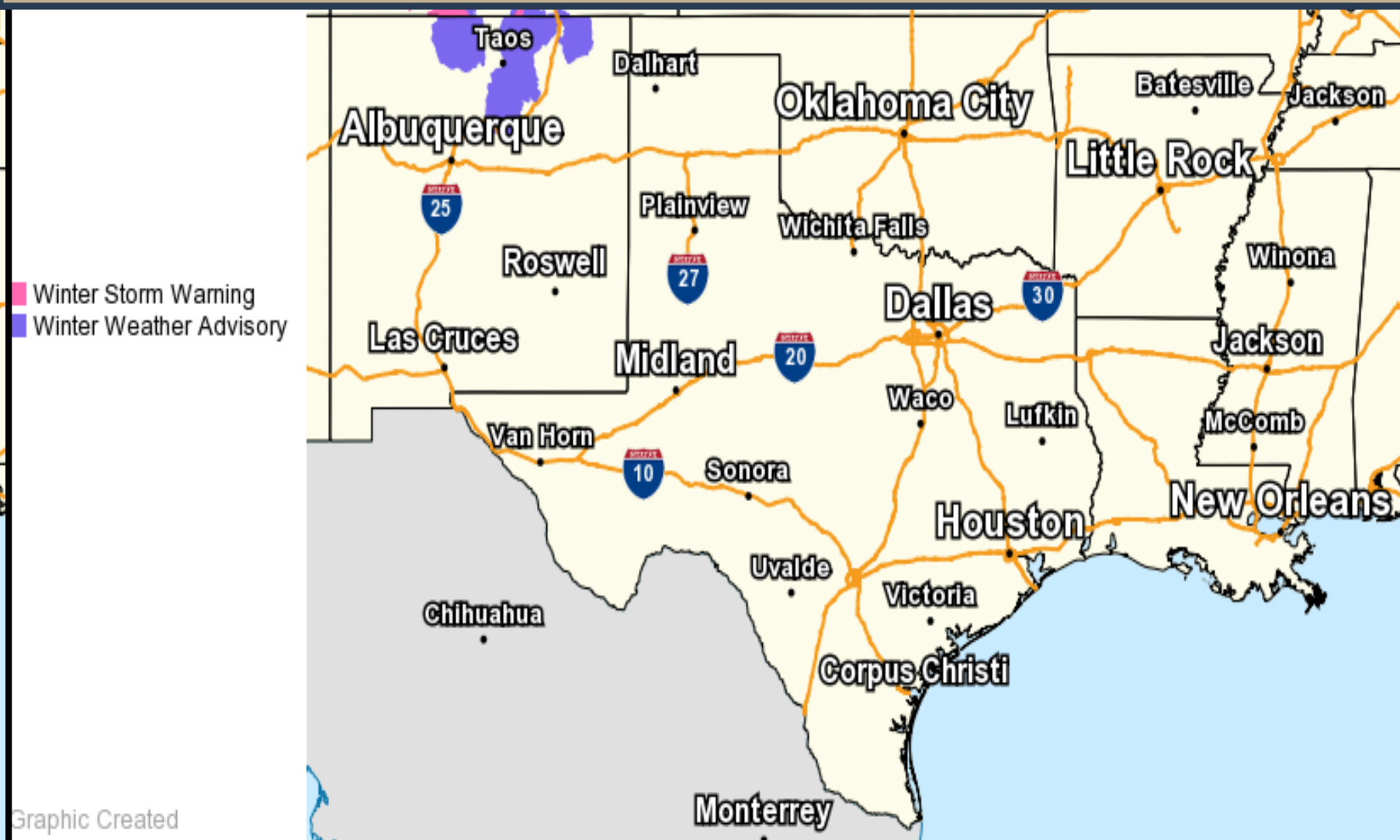
**Flash flood watch in effect for
ETX, LA, SE AR**

Strong & Gusty Winds



Graphic Created

Winter Weather



Graphic Created

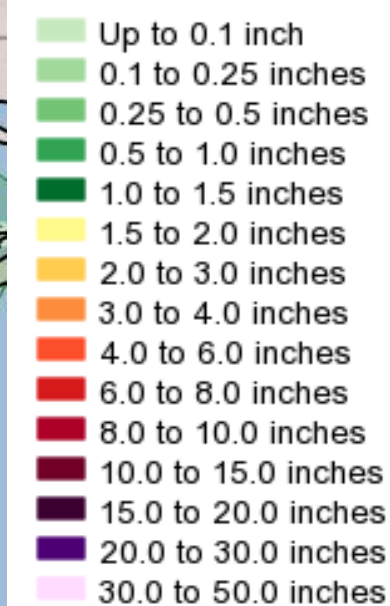
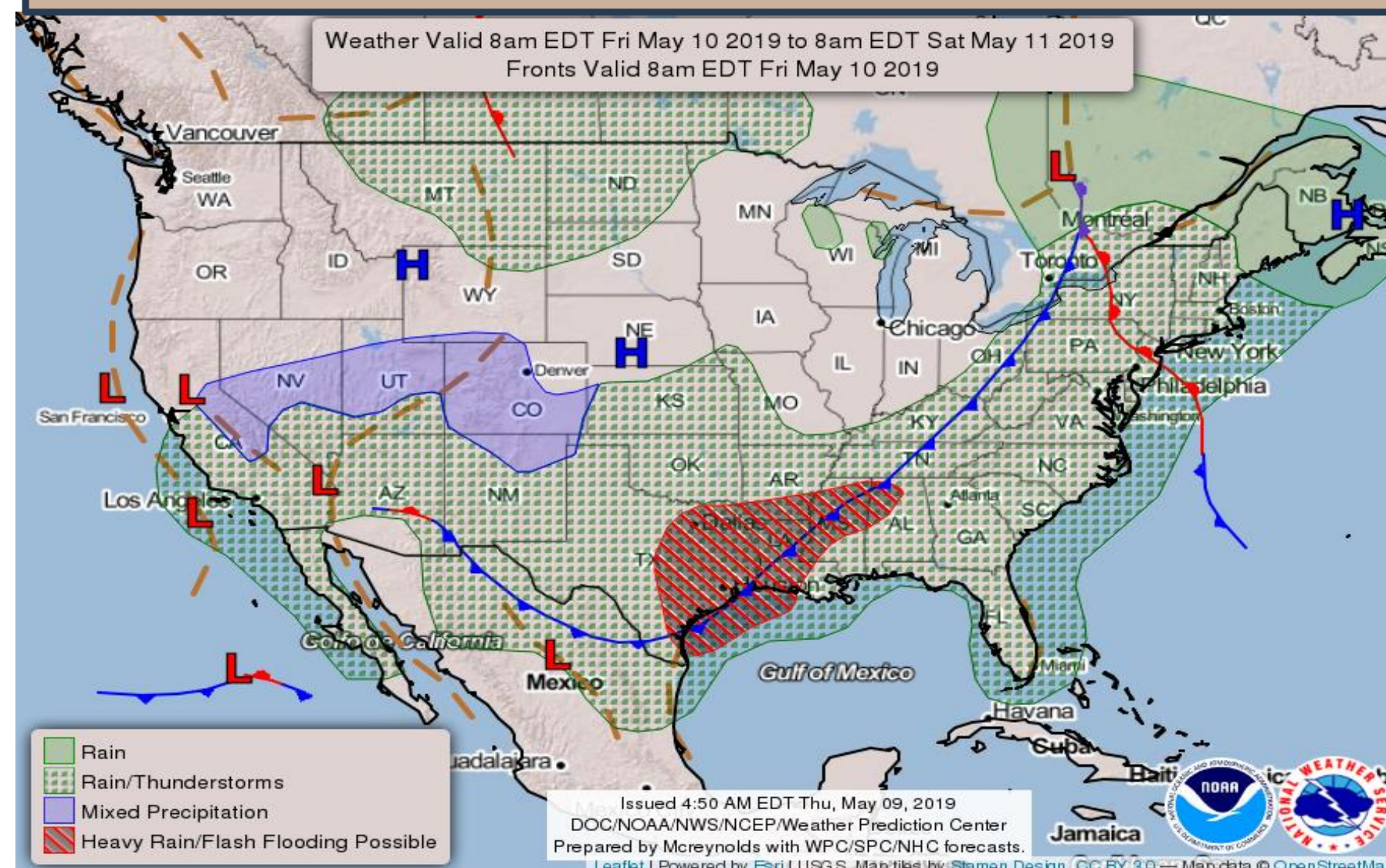
Tomorrow's Weather



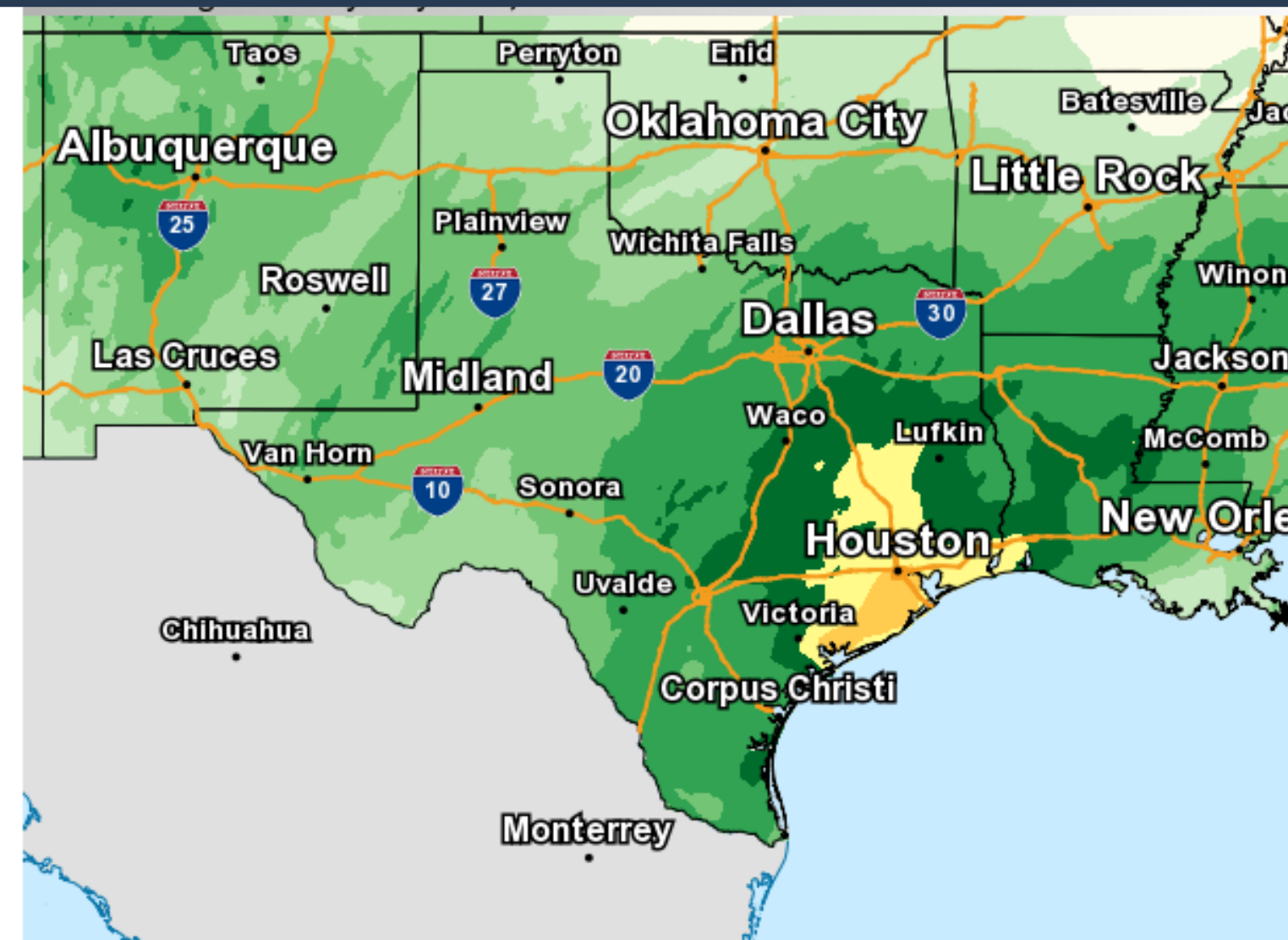
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Forecast Chart

Forecast Rainfall



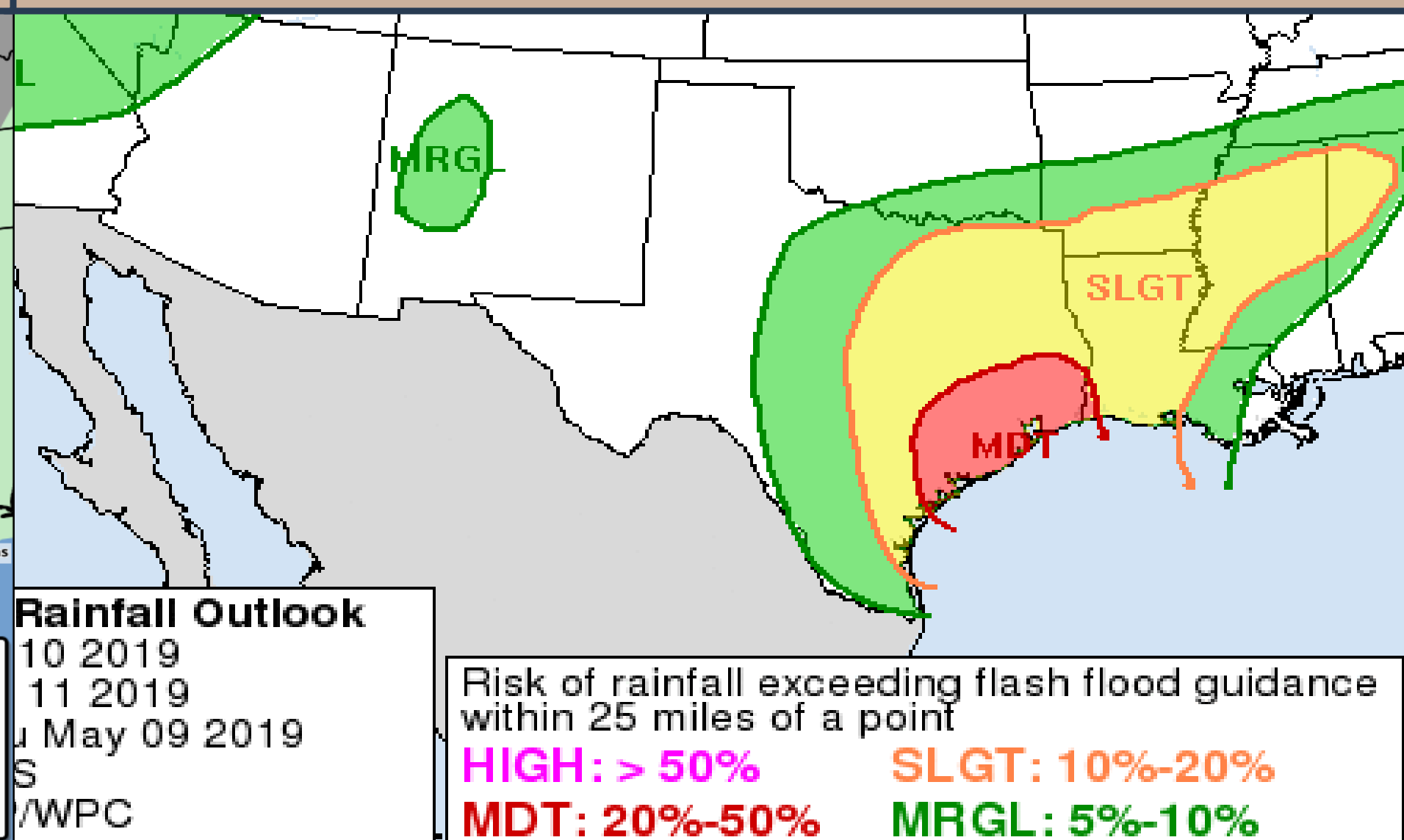
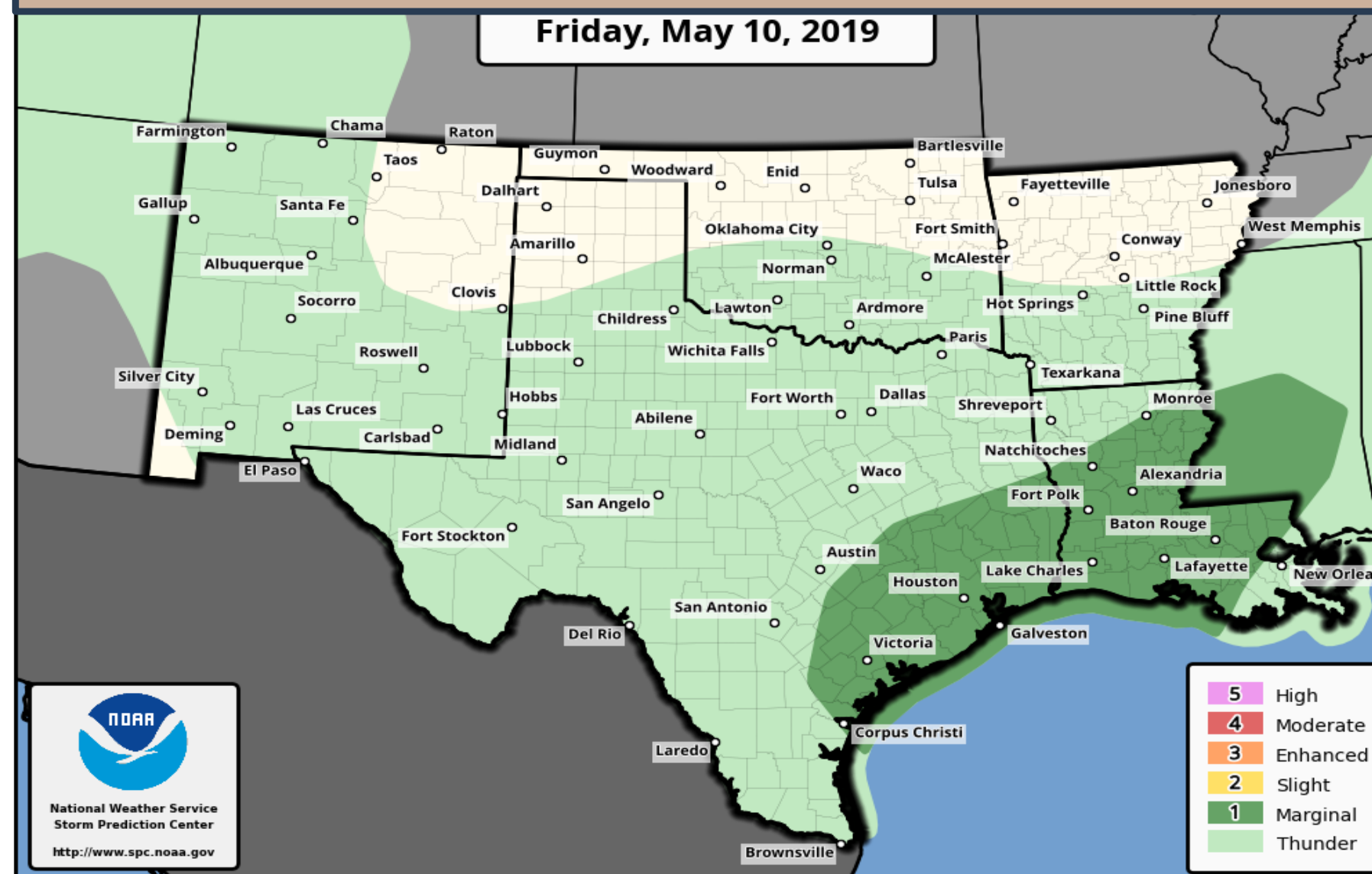
Graphic Created
May 9th, 2019
5:48 AM CDT



Heavy rainfall/flash flooding possible across E TX/LA.

Severe Weather Outlook

Excessive Rainfall Outlook



Saturday's Weather



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Forecast Chart

Forecast Rainfall

Heavy rainfall/flash flooding
possible across E TX/LA/AR.

Severe Weather Outlook

Excessive Rainfall Outlook

Saturday, May 11, 2019

Rainfall Outlook

May 11 2019

May 12 2019

May 9 2019

S
P/WPC

Risk of rainfall exceeding flash flood guidance
within 25 miles of a point

HIGH: > 50%

SLGT: 10%-20%

MDT: 20%-50%

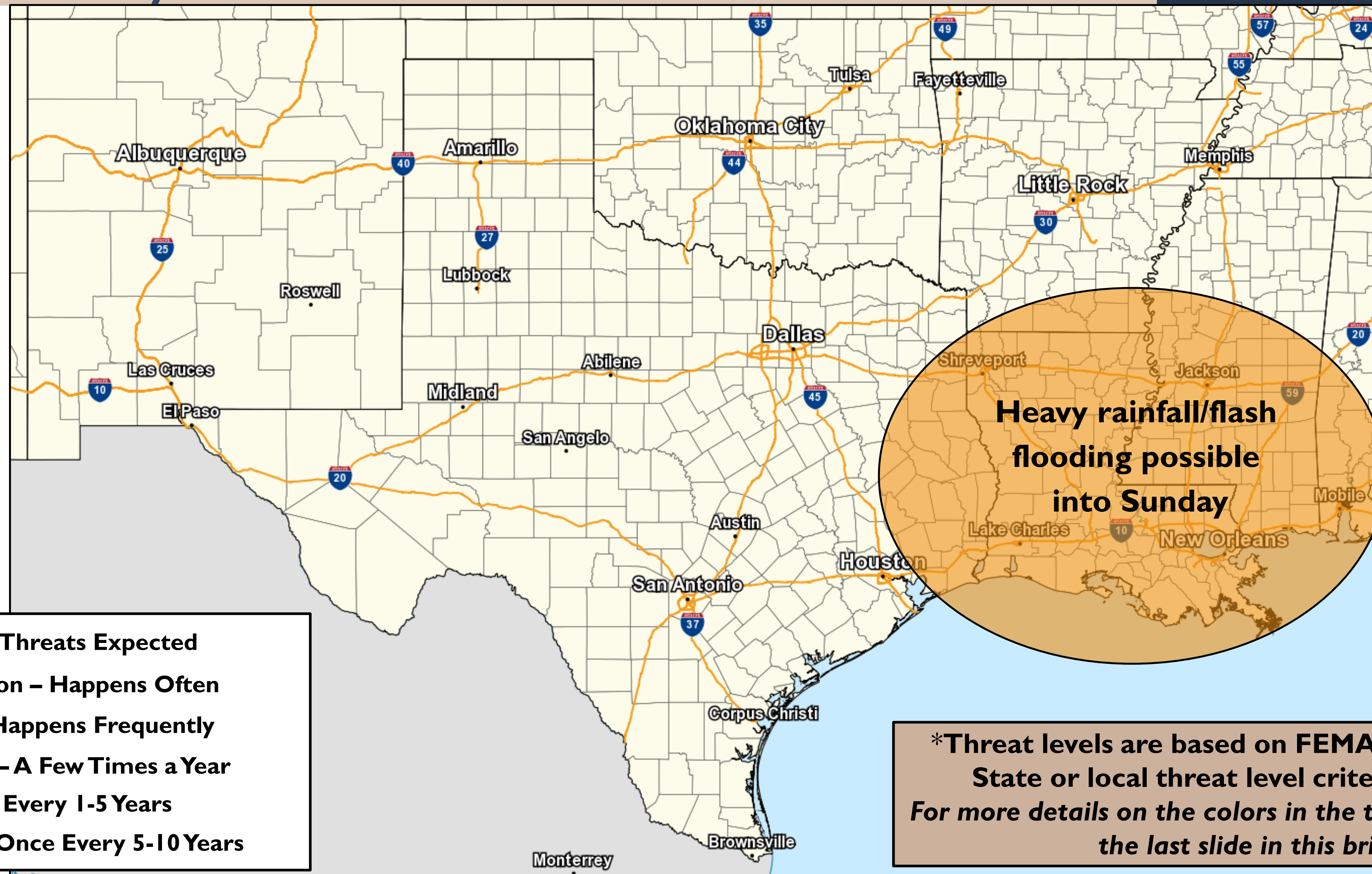
MRGL: 5%-10%

Days 4-5 Weather Hazards

Sunday-Monday



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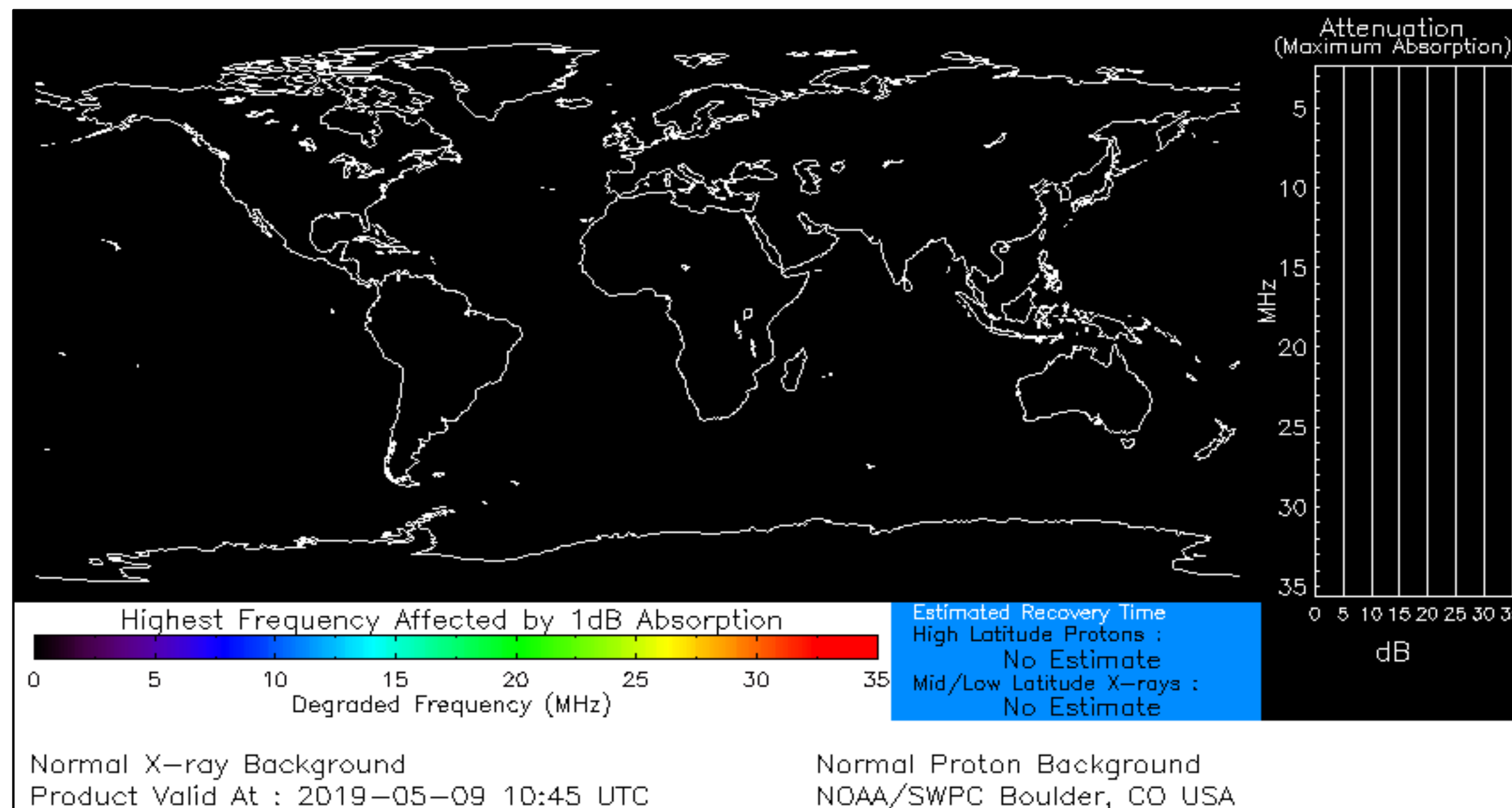
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Space Weather 3-Day Forecast



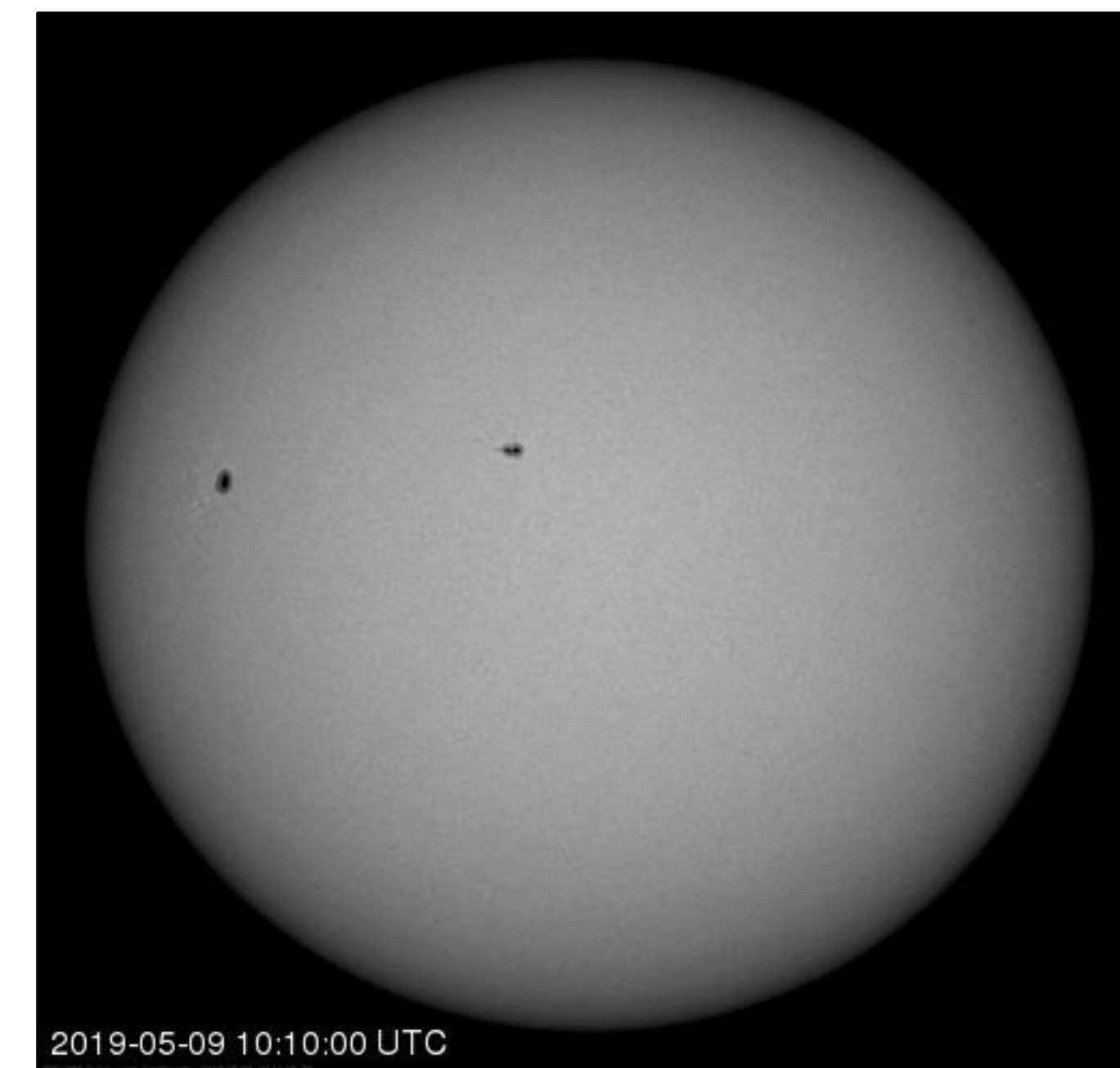
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| | Thursday | Friday | Saturday |
|--------------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Geomagnetic Storms | Quiet (Max Kp = 2) | Quiet (Max Kp = 2) | Quiet (Max Kp = 4) |
| Solar Radiation Storm (S1-S5) | 1% | 1% | 1% |
| Radio Blackout (R1-R2) | 5% | 1% | 1% |
| Radio Blackout (R3-R5) | 1% | 1% | 1% |



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





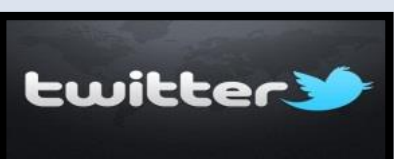
For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



| Weather “Threat” Matrix | | | |
|-------------------------|--|---|--|
| Color | Definition | Criteria | Example(s) |
| Green | Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines | Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active | <ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX |
| Yellow | Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life | Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook | <ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail |
| Orange | Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life | Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions | <ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected |
| Red | Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life | Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought | <ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue |
| Purple | Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life | Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought | <ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms |

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov